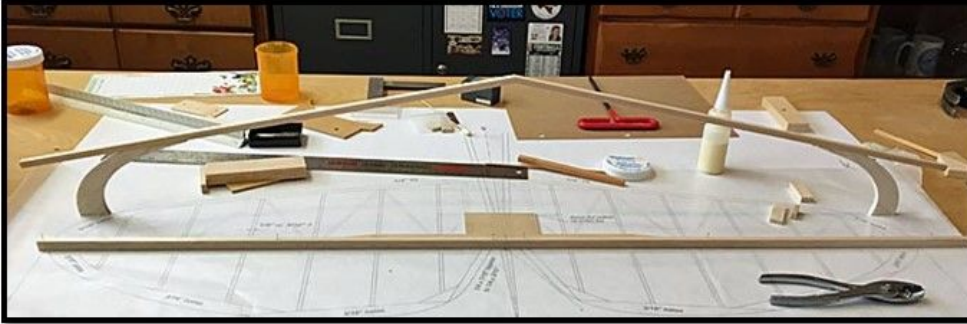


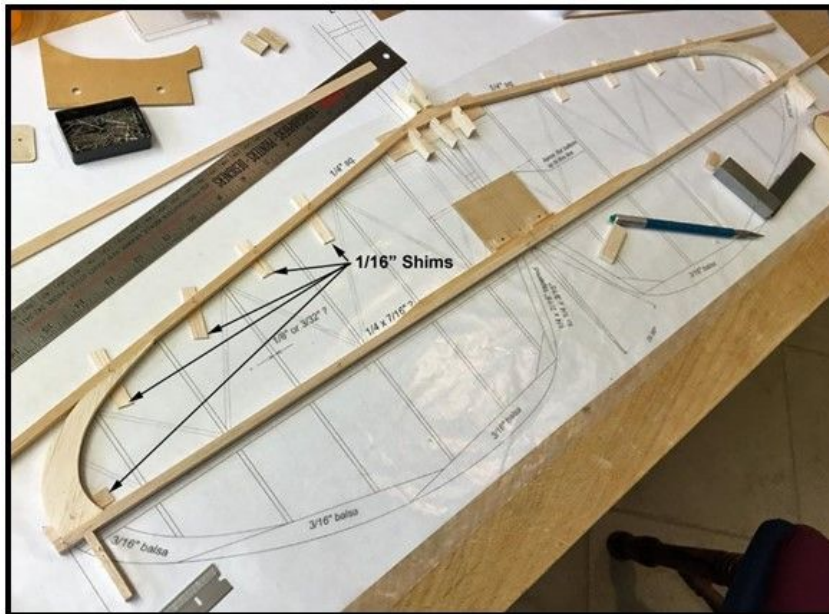
From: "Tandy Walker" <rdb435021@icloud.com>  
To: "Tandy Walker" <rdb435021@icloud.com>  
Date: 3/17/2018 4:09:02 PM  
Subject: 87 Lancer 850 - Horizontal Tail Construction (Part 4)

Report No. 87  
New Cyclone Lancer 850  
March 17, 2018

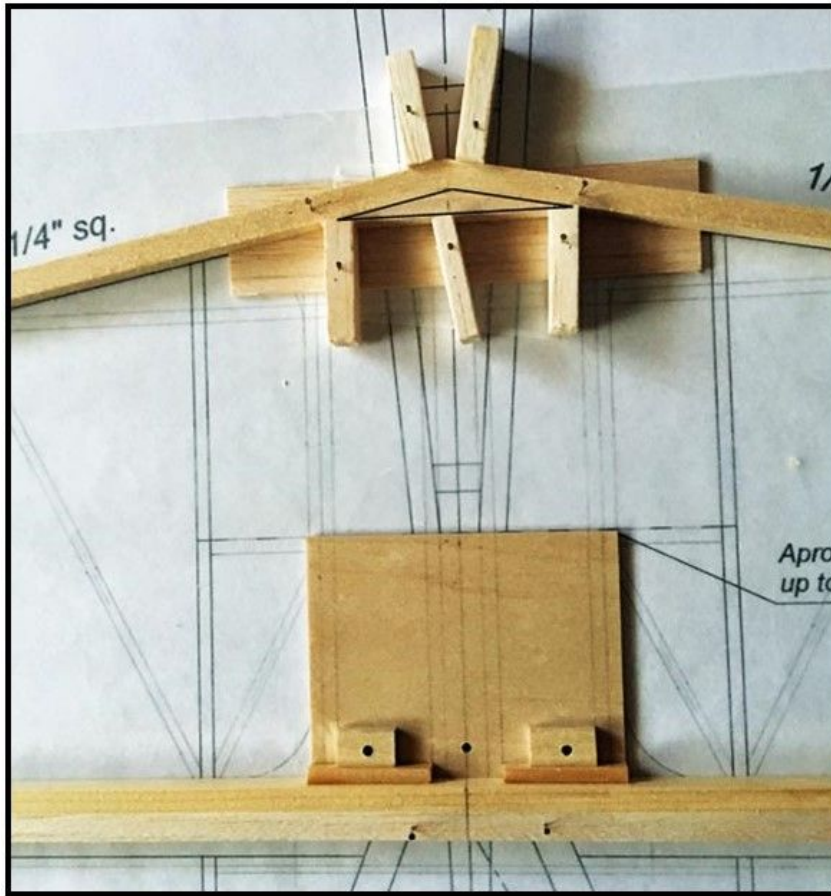
After the glue dried, the leading edge with the S4 pieces glued to it was unpinned and removed from the plan as shown below.



The leading edge and S4 pieces were pinned back down on the plan over a number of 1/16" shims to elevate them a 1/16" above the plan as shown below. This centered 1/4" leading edge with the 3/8" rear spar.

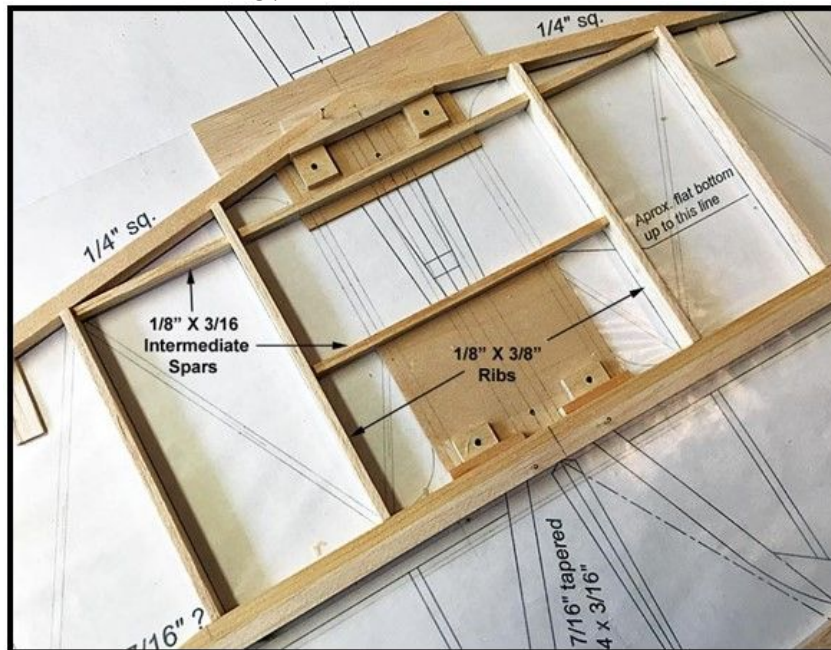


This close up shows the triangular brace used to reinforce the center 1/4" sq. leading edge joint.

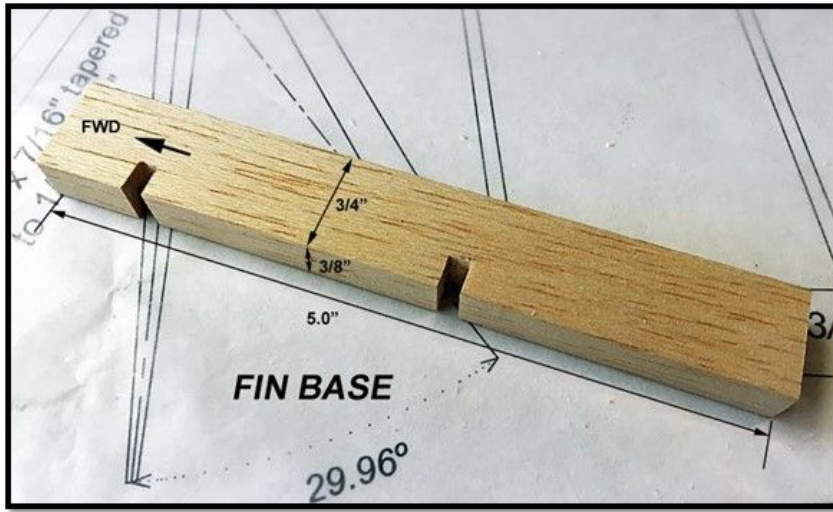


This afternoon I began framing the stabs center section as shown below:

1. The front mounting plate and the two outside  $1/8'' \times 3/8''$  ribs were glued in place first.
2. The longer front intermediate  $1/8'' \times 3/16''$  hard balsa spar was glued in place with a  $1/32''$  shim between it and the front mounting plate.
3. The two inside  $1/8'' \times 3/8''$  ribs were notched and glued in place next.
4. The shorter middle intermediate  $1/8'' \times 3/16''$  hard balsa spar was glued in place with a  $1/32''$  shim between it and the rear mounting plate.



A  $3/8'' \times 3/4''$  medium hard balsa piece was cut and sanded to a 5.0" length as shown below to form the primary base of the fin. Notice the two  $1/8'' \times 7/32''$  notches cut into the bottom of the base to fit over the two intermediate spars.



This shows the trial fit of the fin base on the stab's center line. A 3/8" wide fin slot will be formed in the stab when a rib is glued in on either side of the base. Then the outer ribs be glued in place, but that will have to wait until tomorrow.....Tandy

